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SILVERBRAZE 45 (BAg-5) TECHNICAL DATA

NOMINAL COMPOSITION	Silver	45.0% ± 1.0
	Copper	30.0% ± 1.0
	Zinc	25.0% ± 2.0
	Other	0.15% Max
PHYSICAL PROPERTIES	Color	Yellow White
	Solidus	1225°F (662°C)
	Liquidus	1370°F (743°C)
	Recommended Brazing Temperature	1420-1470°F (771-798°C)
	Density (Troy oz/in³)	4.80
	Specific Gravity	9.11
	Electrical Conductivity (%IACS)	19.0
Electrical Resistivity (Microhm-cm)	9.08	
USES	Silver Braze 45 has been used for brazing of tubular assemblies in the ship construction industry. Other applications may include brazing of musical brass instruments, brass lamps, aircraft engine oil coolers. Silver Braze 45 is a general purpose, brazing filler metal for use where cadmium free filler metal is required.	
BRAZING CHARACTERISTICS	Silver Braze 45 is an intermediate temperature cadmium free silver brazing filler metal with sufficient melting range (145°F/63°C) to properly braze joints with the range of fits encountered in commercial tubing and fittings. It has a slight tendency to liquate (separation into high and low melting constituents) if heated slowly through its melting range.	
PROPERTIES OF BRAZED JOINTS	The properties of a brazed joint are dependent upon numerous factors including base metal properties, joint design, metallurgical interaction between the base metal and the filler metal.	
SPECIFICATIONS	Silver Braze 45 alloy conforms to: Unified Numbering System (UNS) P07453 and American Welding Society (AWS) A5.8/A5.8M BAg-5	
AVAILABLE FORMS	Wire, strip, engineered preforms, specialty preforms per customer specification, powder and paste.	

Individuals requiring further information and Engineering Specification Documents may wish to contact the Engineering Society for Advanced Mobility, Land Sea Air and Space, The Society of Automotive Engineers <http://www.sae.org/> (SAE AMS) or The American Welding Society (AWS) <http://aws.org/>

NOTE:

DISCLAIMER

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